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## **REQUEST**

The undersigned requests that the present

nternational Application	on No.
<u> </u>	
International Filing Dat	te

international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"  Applicant's or agent's file reference (if desired) (12 characters maximum)  15977-8		
BOX NO. I TITLE OF INVENTION HIGH RESOLUTION ELECTROLYTIC LITHOGRAPHY, AF	PPARATUS THEREF	OR AND RESULTING PRODUCTS	
Box No. II APPLICANT This person	is also inventor		
Name and address: (Family name followed by given name; for a legal entity, j The address must include postal code and name of country. The country of the ad Box is the applicant's State (that is, country) of residence if no State of residence is THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 1111 FRANKLIN STREET, 5TH FLOOR OAKLAND, CA 94607 US	dress indicated in this	Telephone No. 858-822-0284 Facsimile No. 858-534-7345 Teleprinter No. Applicant's registration No. with the Office	
State (that is, country) of nationality: US	State (that is, count	ry) of residence:	
This person is applicant all designated all designat	ed States except States of America	the United States of America only the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FUR	THER) INVENTOR(	S)	
Name and address: (Family name followed by given name; for a legal entity, The address must include postal code and name of country. The country of the ad Box is the applicant's State (that is, country) of residence if no State of residence if JIN, SUNGHO 13634 OLD EL CAMINO REAL SAN DIEGO, CALIFORNIA 92130 US	dress indicated in this	applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office	
State (that is, country) of nationality: US	State (that is, coun	try) of residence:	
This person is applicant all designated all designated	ted States except States of America	the United States of America only the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated of	on a continuation sheet.		
Box No. IV AGENT OR COMMON REPRESENTATIV	E; OR ADDRESS FO	DR CORRESPONDENCE	
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authoritie	on behalf s as:	agent Common representative	
Name and address: (Family name followed by given name; for a legal entity.  The address must include postal code and name of coun	, full official designation.	Telephone No. 973-597-6162	
BOOKS, GLEN E. LOWENSTEIN SANDLER PC 65 LIVINGSTON AVENUE ROSELAND, NEW JERSEY 07068 US		Facsimile No. 973-597-6163 Teleprinter No.	
Address for correspondence: Mark this check-box where	e no agent or common	Agent's registration No. with the Office 24,950 representative is/has been appointed and the	

Box No.V DESIGNATION OF STATES

Mark the applicable check-boxes below; at least one must be marked.

The following designations are hereby made under Rule 4.9(a):

## Regional Patent

- AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired. specify on dotted line)
- EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of
- European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line

Na	tional	Patent (if other kind of protection or	trea	tment	desired, specify on dotted line):			
		United Arab Emirates				X	OM	Oman
X		Antigua and Barbuda	$\boxtimes$	HU	Hungary	$\boxtimes$	PG	Papua New Guinea
×	AL	Albania	$\boxtimes$	ID	Indonesia	X	PH	Philippines
X	AM	Armenia	X	IL	Israel	X.	PL	Poland
X	ΑT	Austria	$\boxtimes$	IN				Portugal
X	ΑU	Australia						Romania
$\boxtimes$	ΑZ	Azerbaijan			Japan	X	RU	Russian Federation
$\boxtimes$	BA	Bosnia and Herzegovina			Kenya			
$\boxtimes$	BB	Barbados	$\boxtimes$	ĶĢ	Kyrgyzstan			Seychelles
$\boxtimes$	BG	Bulgaria	X	KP				Sudan
$\boxtimes$	BR	Brazil			of Korea			
$\boxtimes$	BY	Belarus						
X	BZ	Belize	$\boxtimes$	KZ				
X	CA	Canada	_					Sierra Leone
$\boxtimes$	CH &	LI Switzerland and Liechtenstein		LK	Sri Lanka			Syrian Arab Republic
X	CN	China	$\boxtimes$		Liberia			Tajikistan
X	CO	Colombia						· ·
$\boxtimes$	CR	Costa Rica	$\boxtimes$	LT		_		Tunisia
$\boxtimes$	CU	Cuba			_			Turkey
$\boxtimes$	CZ	Czech Republic					TT	Trinidad and Tobago
X	DE	Germany	$\boxtimes$	MA	Morocco			
X	DK	Denmark	X	$\mathbf{M}\mathbf{D}$	Republic of Moldova			
X	DM	Dominica						Ukraine
X	DZ	Algeria	$\boxtimes$	$\mathbf{MG}$	Madagascar	$\boxtimes$	UG	Uganda
$\boxtimes$	EC	Ecuador	$\boxtimes$	$\mathbf{M}\mathbf{K}$	The former Yugoslav Republic of	$\boxtimes$	US	United States of America
X	EE	Estonia			Macedonia			
X	ES	Spain	$\boxtimes$	MN	Mongolia	_		Uzbekistan
X	FI	Finland	$\boxtimes$	MW	Malawi	X	VC	Saint Vincent and the Grenadines
×	GB	United Kingdom	$\boxtimes$	ΜX	Mexico	X	VN	Viet Nam
X	GD		$\boxtimes$	ΜZ	Mozambique	$\boxtimes$	YU	Serbia and Montenegro
×	GE	Georgia	X	NI	Nicaragua	$\boxtimes$	ZA	South Africa
$\boxtimes$	GH		X	ΝO	Norway	X	ZM	I Zambia
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Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:								

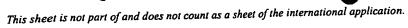
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Sheet	No			3	

Box No. VI PRIORITY							
The priority of the following		<del></del>	Where earlier and instinction	. :			
Filing date of earlier application (day/month/year)	Number of earlier application	national application: country or Member of WTO	Where earlier application regional application:* regional Office	international application: receiving Office			
9 APRIL 2003 09/04/2003	60/461,477	US		·			
item (2)							
item (3)							
item (4)							
item (5)							
Further priority claims a	are indicated in the Supplemen	ntal Box.	1				
The receiving Office is required (only if the earlier application)	ested to prepare and transmition was filed with the Office	t to the International Bu which for the purposes	reau a certified copy of of this international ap	the earlier application(s) plication is the receiving			
Office) identified above as:		item (3) item (4)		other, see Supplemental Box			
* Where the earlier application Industrial Property or one Members	n is an ARIPO application, indi ber of the World Trade Organize	icate at least one country pation for which that earlier i	party to the Paris Convent application was filed (Rule	• •			
BOXING	TIONAL SEARCHING AU						
Choice of International Sea international search, indicate the	irching Authority (ISA) (if a Authority chosen; the two-letter	two or more International r code may be used):	l Searching Authorities ar	e competent to carry out the			
ISA/ . US	arlier search; reference to t			out by or requested from the			
International Searching Authorit	(y):			· -			
Date (day/month/year)	Number	Country (or res	gional Office)				
Box No. VIII DECLARA	TIONS						
The following declarations a check-boxes below and indica	are contained in Boxes Nos. ate in the right column the nu	VIII (i) to (v) (mark the umber of each type of dec	applicable claration):	Number of declarations			
Box No. VIII (i)	Declaration as to the identit	ty of the inventor		· :			
Box No. VIII (ii)	Box No. VIII (ii)  Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent						
Box No. VIII (iii)	Declaration as to the applicate, to claim the priority of		ie international filing	:			
Box No. VIII (iv)	Declaration of inventorship United States of America)	(only for the purposes o	of the designation of the	:			
Box No. VIII (v)	Declaration as to non-prejud	dicial disclosures or exce	eptions to lack of novelt	y :			

<b>.</b>		4
Sheet	NO.	 4 .

Box No. IX CHECK LIST; LANGUAGE OF	FILING			
This international application contains:  (a) in paper form, the following number of sheets:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):  1.   fee calculation sheet	Number of items		
request (including	2. original separate power of attorney	:		
deciaration sheers)	3. original general power of attorney	. 1		
description (excluding sequence listings and/or	4. copy of general power of attorney; reference number,			
tables related thereto) : 21	if any:			
Ciainis	5. statement explaining lack of signature	:		
abstract drawings 20	6. priority document(s) identified in Box No. VI as	:		
Sub-total number of sheets : 52	item(s):	:		
sequence listings :	(language): 8. separate indications concerning deposited microorganism			
tables related thereto :	or other biological material	:		
(for both, actual number of sheets if filed in paper form,	9. sequence listings in computer readable form (indicate type and number of carriers)			
whether or not also fited in computer readable form; see (c) below) :	(i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)			
Total number of sheets : 52	(::) (only where check-box (b)(i) or (c)(i) is marked in left			
(b) only in computer readable form (Section 801(a)(i))	<ul> <li>(ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under</li> </ul>			
<ul><li>(i) ☐ sequence listings</li><li>(ii) ☐ tables related thereto</li></ul>	Rule 13ter  (iii) together with relevant statement as to the identity of the coor copies with the sequence listings mentioned in left colu	opy imi		
(c) also in computer readable form (Section 80 I (a)(ii))	tables in computer readable form related to sequence listings	1		
<ul><li>(i) ☐ sequence listings</li><li>(ii) ☐ tables related thereto</li></ul>	(indicate type and number of carriers)  Convey submitted for the purposes of international search un			
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are	international application)	. :		
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(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	(iii) together with relevant statement as to the identity of the cor copies with the tables mentioned in left column	юру :		
	11.  other (specify):	<u> </u>		
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: ENGLISH			
THE OF A DRIVE AND	AGENT OR COMMON REPRESENTATIVE	e request).		
	nd the capacity in which the person signs (if such capacity is not obvious from reading th			
Hen & Books	4/6/04			
GYEN E. BOOKS	DATE			
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Date of actual receipt of the purported international application:		received:		
<ol> <li>Corrected date of actual receipt due to later b timely received papers or drawings completing purported international application:</li> </ol>	ut ng the	<b>-</b>		
Date of timely receipt of the required corrections under PCT Article 11(2):		not received:		
5. International Searching Authority ISA/	6. Transmittal of search copy delayed until search fee is paid			
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## **PCT**

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nternational Appl	ication No.	

FEE CALCULATION SHEET		International Application No.				
Annex to the	Request					
Applicant's or agent's file reference	15977-8	Date stamp of the receiving	g Office			
Applicant THE REGENTS OF THE UNIVE	ERSITY OF CALIFORNIA					
CALCULATION OF PRESCRIB	ED FEES					
1. TRANSMITTAL FEE			240.00 T			
SEARCH FEE  International search to be carried	out by US		450.00 S			
	hing Authorities are competent to carr hority which is chosen to carry out the	y out the international international search.)				
Where item (b) and (c) of Box N	x No. IX apply, enter Sub-total nu lo. IX do not apply, enter Total nu	mber of sheets mber of sheets $476.00$ $b1$	2			
in excess of 30	12.00 =	264.00 b2				
both in that form and on pa	er readable form under Section 801 uper, under Section 801(a)(ii)):	(a)(i), or				
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Add amounts entered at b1, b2 a		740.00 B	비			
Designation Fees The international application con  5 x	ntains 112 designations.	520.00 <sub>D</sub>				
number of designation fees payable (maximum 5)  Add amounts entered at B and D	amount of designation fee		1,260.00 I			
. C	re entitled to a reduction of 75% cant is (or all applicants are) so entitl	of the led, the				
4. FEE FOR PRIORITY DOCUM			40.00 P			
5. TOTAL FEES PAYABLE	and P, and enter total in the TOTA	AL box	TAL			
The designation fees are not	paid at this time.					
MODE OF PAYMENT			_			
authorization to charge deposit account (see below)	postal money order	cash revenue stamps	coupons  other (specify):			
cheque	bank draft  GE (OR CREDIT) DEPOSIT A					
(This mode of payment may not be	available at all receiving Offices	) Receiv	ving Office: RO/	บร		
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